

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**IN THE MATTER OF:**

Citgo Petroleum Corporation  
135<sup>th</sup> Street and New Avenue  
Lemont, Illinois 60439

**ATTENTION:**

Matt Klickman  
Air Quality Coordinator

**Request to Provide Information Pursuant to the Clean Air Act**

The U.S. Environmental Protection Agency is requiring Citgo Petroleum Corporation (Citgo or you) to submit certain information about your facility at 135<sup>th</sup> Street and New Avenue, Lemont, Illinois. Appendix B specifies the information that you must submit. You must send this information to us according to the schedule in Appendix B.

We are issuing this information request under section 114(a) of the Clean Air Act (the Act), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Citgo owns and operates an emission source at your Lemont, Illinois facility. We are requesting this information to determine whether your emission source is complying with the Clean Air Act.

You must send all required information to:

Attn: Compliance Tracker, AE-17J  
Air Enforcement and Compliance Assurance Branch  
U.S. Environmental Protection Agency  
Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Under 40 C.F.R. Part 2, Subpart B, you may assert a claim of business confidentiality for any portion of the submitted information. You must specify the page, paragraph, and sentence when identifying the information subject to your claim. Appendix A specifies the assertion and substantiation requirements for business confidentiality claims.

Citgo must submit all requested information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

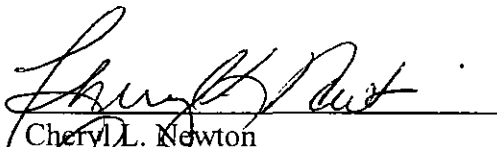
We may use any information submitted in response to this request in an administrative, civil, or criminal action.

This request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation. To aid in our electronic record keeping efforts, please provide your response to this request for information without staples. Paper clips, binder clips, and 3-ring binders are acceptable.

Failure to comply fully with this request for information may subject Citgo to an enforcement action under section 113 of the Act, 42 U.S.C. § 7413.

You should direct any questions about this request for information to Brian Dickens at (312) 886-6073.

6/14/10  
Date

  
Cheryl L. Newton  
Director  
Air and Radiation Division

## Appendix A

### Confidential Business Information (CBI) Assertion and Substantiation Requirements

#### A. Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in the attached letter, as provided in 40 C.F.R. §2.203(b). To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document over which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a legend to indicate the intent to claim confidentiality. The stamped or typed legend, or other suitable form of notice, should employ language such as "trade secret" or "proprietary" or "company confidential" and indicate a date if any when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by the United States Environmental Protection Agency (EPA) only to the extent permitted and by means of the procedures set forth by Section 114(c) of the Clean Air Act (the Act), and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise nonconfidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you.

Please segregate personnel, medical and similar files from your responses and include that information on separate sheet(s) marked as "Personal Privacy Information" given that disclosure of such information to the general public may constitute an invasion of privacy.

#### B. Substantiation Requirements

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. §2.208 which provides in part that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; and that the information is not and has not been reasonably obtainable by legitimate means without your consent.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential. **You must be specific by page, paragraph, and sentence when identifying the information subject to your claim.** Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a specified event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial, and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?
7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Any other issue you deem relevant.

Please note that emission data provided under Section 114 of the Act, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2. "Emission data" means, with reference to any source of emission of any substance into the air-

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of any

emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. §§ 2.301(a)(2)(i)(A), (B) and (C).

Emission data includes, but is not limited to, service records stating the amount of refrigerant added to a unit or reclaimed from a unit.

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by, and by means of the procedures set forth in, 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

**Appendix B**  
**Request to Provide Information**  
**Citgo Petroleum Corporation**

In accordance with the foregoing Request to Provide Information Pursuant to the Clean Air Act, Citgo must provide the following information:

1. For a period of six months, beginning three months from the date of your receipt of this request, determine the mass of combustible and noncombustible gas being flared (lb/hr) at the C1, C2, C3, C4, and C5 flares. For flares C1, C2, C3, and C4, Citgo may use engineering estimates to determine the mass of gas being flared. For flare C5, Citgo shall use direct measurement methods. Provide the results as hourly averages.
2. For a period of six months, beginning three months from the date of your receipt of this request, determine the flare tip exit velocity, in ft/s, and the estimated hydrogen concentration of the gas being flared at the C1, C2, C3, C4, and C5 flares. Provide the results as hourly averages.
3. For a period of six months, beginning three months from the date of your receipt of this request, continuously measure the amount of steam (lb/hr) that flows to the C1, C2, C3, C4, and C5 flares at all locations (i.e. center, lower, and upper). In the event Citgo does not have the equipment in place to measure the mass rate of steam, Citgo shall install such equipment. Record the steam addition rate as hourly averages for all periods of time that gas is being flared.
4. For a period of six months, beginning three months from the date of your receipt of this request, calculate and record the steam-to-total gas ratio (lb steam/lb combustible plus noncombustible compounds) resulting at each of the C1, C2, C3, C4, and C5 flares for each hour that gas is being flared.
5. Provide to U.S. EPA all records required by paragraphs 1 through 4. Submit these records monthly, with the records from each month due to U.S. EPA within 15 days after the close of that month. Providing these records in electronic format is recommended.
6. Within one month of your receipt of this request, provide to U.S. EPA a narrative description of the methods and calculations that Citgo will use to comply with paragraphs 1-4 including, but not limited to, the equipment Citgo will use, a drawing showing the equipment and its placement relative to the flare, the methodology for determining the mass of combustible, noncombustible, and hydrogen compounds, and a schedule for completing these actions.
7. For flares C1 and C4, for each day beginning on January 1, 2008, until the date of your receipt of this request, list the periods of time (date, start time, and end time) that gases and vapors from process operations were routed to each of these flares at the Lemont, IL facility (i.e., "venting periods").

8. For each venting period listed in response to paragraph 7 above, provide the average mass flow rate of combustible and non-combustible material, in lb/hr, that was vented to each facility flare. Provide the response as hourly averages. Provide a narrative explanation and example calculations describing how you arrived at your response.
9. For each period of time listed in response to paragraph 7 above, state which periods were caused by a startup, shutdown, or malfunction. State the root cause of any malfunction.
10. For each period of time listed in response to paragraph 7 above, provide the heat content, in BTU/scf, and the approximate hydrogen concentration of the gas that was vented to the flare as an hourly average. Provide a narrative explanation and example calculations describing how Citgo arrived at its response.
11. For each period of time listed in response to paragraph 7 above, provide the hourly average exit velocity, in ft/s out of the flare tip during the venting period.
12. For each period of time listed in response to paragraph 7 above, provide the mass flow rate of each primary combustible compound, in lb/hr as an hourly average, that was vented to the flare. Citgo does not need to identify each individual compound present in the vent stream, however, Citgo must provide, to the best of its ability, the mass of each compound that makes up a substantial portion of the flow. Provide a narrative explanation and example calculations describing how Citgo arrived at its response.
13. For each period of time listed in response to paragraph 7 above, provide the rate at which steam was being added to the flare, in lb/hr as an hourly average, at all locations on the flare (i.e. the sum of seal, upper, lower, winterizing, etc.) during the venting period. Provide a narrative explanation and example calculations, if appropriate, describing how Citgo arrived at its response.
14. For each period of time listed in response to paragraph 7 above, provide the average steam-to-total gas ratio (lb steam/lb combustible plus noncombustible compounds) during that venting period.
15. Provide your responses to paragraphs 7 through 14 within 30 days of receipt of this request.
16. For each facility flare, state whether the flare is configured to receive gases/vapors from a pressure relief device, which is a safety device used to prevent operating pressures from exceeding the maximum allowable working pressure of the process equipment.
17. For each facility flare, state whether the flare and its associated closed vent system is used as the method of compliance with any federal regulation, including without limitation, the Standards of Performance for New Stationary Sources found at 40 C.F.R. Part 60, the National Emission Standards for Hazardous Air Pollutants found at 40 C.F.R.



Part 61, and the National Emission Standards for Hazardous Air Pollutants for Source Categories found at 40 C.F.R. Part 63, (specifically including without limitation any leak detection and repair (LDAR) provisions promulgated under these Parts such as 40 C.F.R. § 60.482-4(c), or 40 C.F.R. § 63.165(c)). In each such case, identify the process unit or equipment that is/are the “affected facility” under the applicable Part and the specific Subpart that applies to the “affected facility.”

18. State whether the Lemont refinery includes equipment that is an “affected facility” as defined by 40 CFR Part 60, Subpart GGG. If yes, list the equipment that is an “affected facility”, whether any equipment complies with any LDAR provision (Subpart GGG or other) by connecting the equipment to a close vent system and flare, and state which flare is used.

CERTIFICATE OF MAILING

I, Loretta Shaffer, certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by Certified Mail, Return Receipt Requested, to:

Matt Klickman  
Citgo Petroleum Corporation  
135<sup>th</sup> Street and New Avenue  
Lemont, Illinois 60439

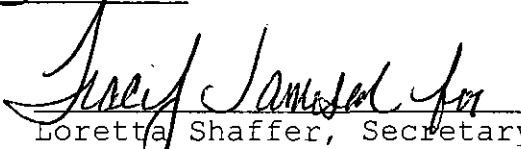
I also certify that I sent a copy of the Request to Provide Information Pursuant to the Clean Air Act by First Class Mail to:

Bureau of Air  
Illinois Environmental Protection Agency  
9511 West Harrison Street  
Des Plaines, Illinois 60016

and

David Bloomberg, Section Manager  
Compliance and Systems Management Section  
Illinois Environmental Protection Agency  
P.O. Box 19506  
Springfield, Illinois 62794-9506

on the 14 day of JUNE 2010.

  
Loretta Shaffer, Secretary  
AECAS (MN/OH)

Certified Mail Receipt Number: 7009 11682 0000 7667 4089